

LINEBACKER

**LANEY
LINEBACKER
KEYBOARD
AMPLIFICATION**

MODELS

KB30

KB50

KB80

KB120



LANEY KEYBOARD COMBINATIONS

INTRODUCTION

Congratulations on the purchase of your new Laney amplifier.

Laney products are designed with ease of operation as a primary objective, however, to ensure that you get the best from your amplifier, it is important that you take some time to read this instruction manual, and to familiarise yourself with the control functions and facilities available.

BEFORE SWITCHING ON

Your amplifier should be fitted with a three pin 'grounded' (or 'earthed') plug. Please make sure that the amplifier is powered from a 'grounded/earthed' outlet.

If changing or fitting a plug yourself, ensure that the applicable wiring code is adhered to, for example in the UK the cable colour code for connections are as follows:

EARTH OR GROUND - GREEN/YELLOW

NEUTRAL - BLUE

LIVE - BROWN

The amplifier should never be exposed to moisture or wetness under any circumstances since this would represent a possible shock or fire hazard, and may cause expensive damage to your valuable possession.

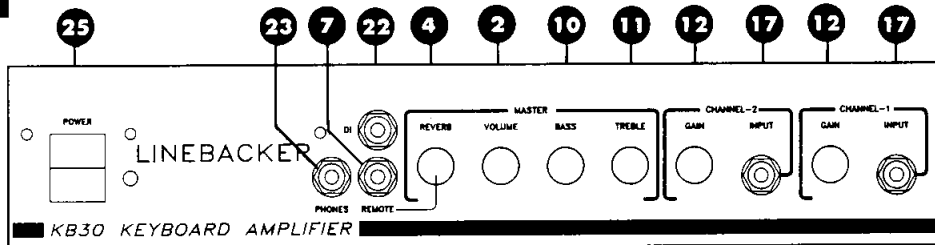
In the unlikely event that a fuse should blow, it is imperative that you or your engineer, use a correctly rated replacement.

Details of the fuse required is printed on the rear panel of your amplifier, please take special care to use a 'time delay' fuse wherever stated, this information is also printed within this manual.

The following instructions and illustrations, are designed to guide you through your amplifier and generally help to you to achieve your sound requirements.

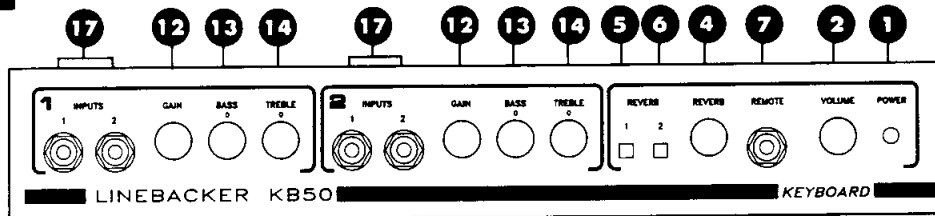
MODEL: KB30

PREAMPLIFIER

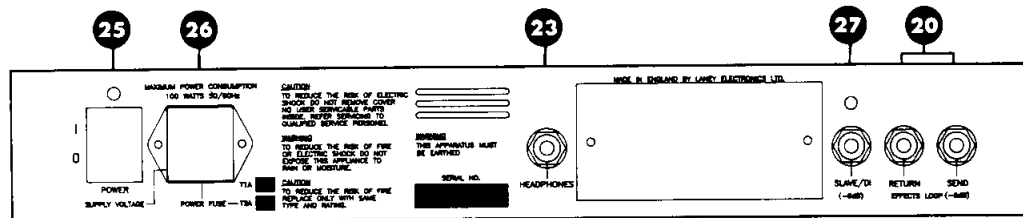


MODEL: KB50

PREAMPLIFIER

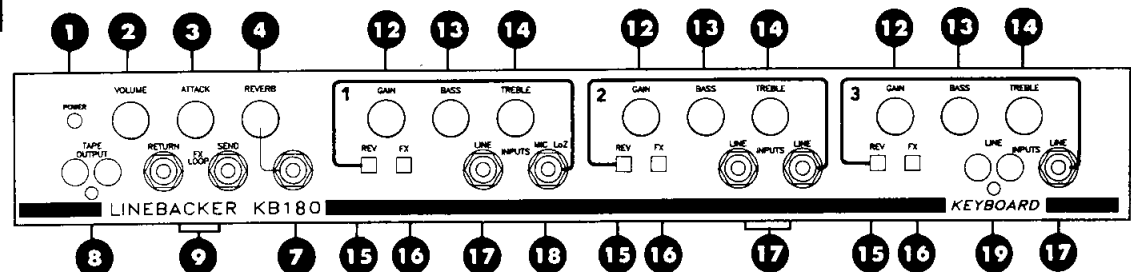


REAR PANEL

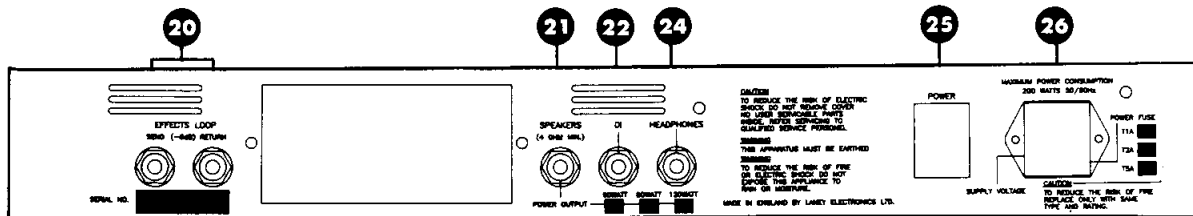


MODEL: KB80

PREAMPLIFIER

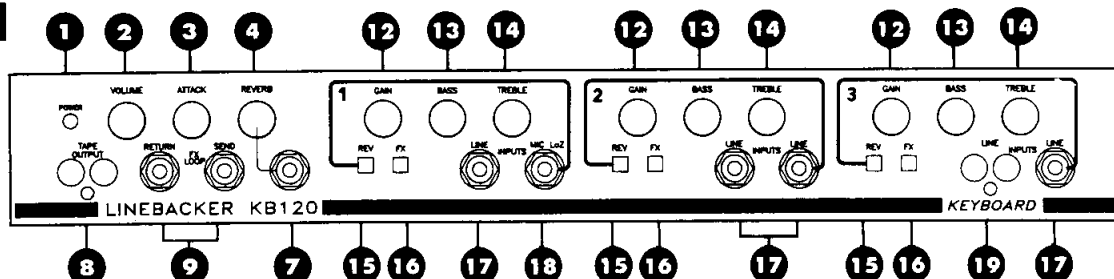


REAR PANEL

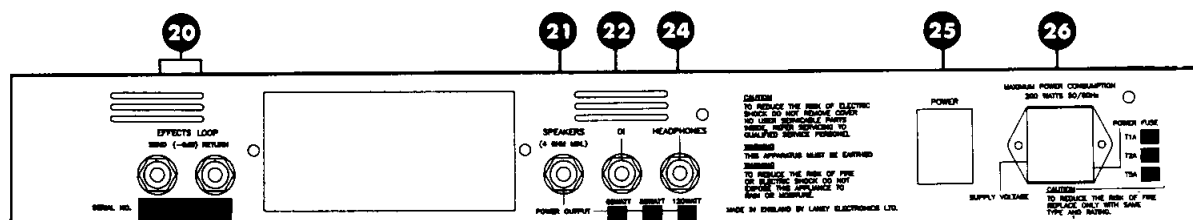


MODEL: KB120

PREAMPLIFIER



REAR PANEL



EXPLANATION OF TERMS (PREAMPLIFIER)

MASTER CONTROLS

1. **POWER:** Illuminates when amplifier is switched on.
2. **VOLUME:** Controls overall output level of amplifier.
3. **ATTACK:** Adjusts overall brightness of eq.
4. **REVERB:** Controls amount of overall reverb.
5. **REVERB 1:** assigns the reverb to channel one.
6. **REVERB 2:** assigns the reverb to channel two.
7. **REMOTE:** Jack socket for remote on/off foot switching of reverb via optional footswitch FS1.
8. **TAPE OUTPUT:** Phono output sockets for tape recording.

Input sensitivity (-6dBV 500mV).

9. **EFFECTS LOOP:** SEND & RETURN sockets for the buffered effects loop. 'Buffered' effects are preferred, since they ensure a constant output signal level. Effects units when connected may be assigned to the required channel with effects switch 12.

10. **BASS:** Adjusts the bass response of the amplifier.
11. **TREBLE:** Adjusts the high frequency response of the amplifier.

CHANNEL CONTROLS

12. **GAIN:** Adjusts channel level, this enables the user to balance gain levels across each channel.

13. **BASS:** Adjusts the channel low frequency bass response.

14. **TREBLE:** Adjusts the channel high frequency response.

15. **REVERB :** Switches the reverberation to channel on/off.

16. **EFFECTS:** Switches the effects units to channel on/off.

17. **INPUT LINE:** Jack input for keyboard or high impedance microphone.

Input sensitivity : (-26dBV/50mV)

Input impedance: 6K8 ohms.

18. **INPUT MIC LoZ:** Jack input socket for low impedance microphone (200-600 ohm) balanced or unbalanced.

Input sensitivity : (-46dBV/5mV)

Input impedance: 6K8 ohms.

19. **LINE:** Phono inputs for tape or CD playback.

Input sensitivity : (-16dBV/150mV)

Input impedance: 100K ohms.

EXPLANATION OF TERMS

REAR PANEL

20. EFFECTS LOOP: SEND and RETURN sockets for the buffered effects loop. When effects units are connected to this rear panel loop, they can not be channel assigned. The 'SEND' socket may also be used as a slave output.

Output level: (-6dBV/500mV).

21. SPEAKER: On board speaker input jack socket. The user may wish to disconnect the built in speaker and connect a multi speaker enclosure system. This is acceptable providing the nett impedance does not fall below 4 ohm.

22. DI: Direct Injection socket. This provides a low impedance output signal for connecting to a mixing desk or power amplifier for further sound reinforcement.

Output level: (-6dBV/500mV).

23. HEADPHONES (Models KB30 AND KB50): Headphone output for silent practice. Plug your headphones into the headphone socket and play as normal.

24. HEADPHONES (Models KB80 AND KB120): Headphone output for silent practice. Simply disconnect your speaker by removing the speaker jack at the rear of your amplifier, plug your headphones into the headphone socket and play as normal.

Important: After completing headphone use, ensure your speakers are reconnected to the correct output.

25. POWER: Power on/off switch

26. POWER INPUT: Euro power input socket with combination fuse carrier, replace fuses when appropriate with similar value to that marked alongside the carrier as described in the general notes.

27. SLAVE DI: Output to power amplifier or mixing desk.

Output level: (-6dBV/500mV).

GENERAL NOTES

REPLACING FUSES

Your amplifier leaves the Laney factory correctly fused. Fuses are fitted to protect the user from possible injury and your amplifier from possible permanent damage. Fuses can blow simply from old age, or because the wrong fuse is fitted. If after replacement failure occurs again, it is possible your amplifier or the power supply to it, has developed a fault.

Under these circumstances you are strongly recommended to consult your local dealer or a qualified engineer.

Replacing the POWER fuse is a procedure that can safely be undertaken by the user.

POWER FUSE

In the unlikely event that you are required to replace a blown POWER fuse it is important to ensure that a fuse of the value and type recommended by LANEY is fitted.

Ensure fuse carrier when refitted, indicates correct supply voltage.

The POWER fuse is located on the rear panel of your amplifier within the power input socket.

220 - 240 VOLT MODELS

KB30	250 mA	(Time delay)
KB50	1 Amp	(Time delay)
KB80	1 Amp	(Time delay)
KB120	2 Amp	(Time delay)

100 -120 VOLT MODELS

KB30	500 mA	(Time delay)
KB50	2 Amp	(Time delay)
KB80	2 Amp	(Time delay)
KB120	5 Amp	(Time delay)

INTERNAL SUPPLY FUSE

The internal supply fuse is located inside your amplifier on the printed circuit board. It is strongly recommended that this fuse is replaced by a qualified engineer.

ALL VOLTAGES

KB30	1 Amp	(Fast)
KB50	3.15 Amp	(Fast)
KB80	3.15 Amp	(Fast)
KB120	3.15 Amp	(Fast)

Your Laney amplifier has been designed to be of high quality and reliability. Each unit is thoroughly examined and tested before leaving the factory. In the unlikely event that a fault should develop contact the dealer from whom you made your purchase and seek his assistance.

LANEY

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